| Ref<br># | Hits     | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|----------|---|---|---------------------|---------|------------------|
| L2       | 22       | ((((transaction command) near2<br>bus) with arbit\$6) and read adj2<br>bus with arbit\$6) and<br>@ad<"19980918"             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 08:59 |
| L3       | 789      | ((((transaction command address) near2 bus) with arbit\$6) and (read data) adj2 bus with arbit\$6) and @ad<"19980918"       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 09:27 |
| L4       | 16520260 | "3" not 2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 09:00 |
| L5       | 767      | 3 not 2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 09:01 |
| L6       | 183      | 5 and motorola  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 09:08 |
| L7       | 2        | 5 and motorola and todd   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 09:08 |
| L8       | 432      | ((((transaction command address)<br>adj bus) with arbit\$6) and (read<br>data) adj bus with arbit\$6) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 09:10 |
| L9       | 2        | 7 not 2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 09:10 |
| L10      | 423      | 8 not 2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/07/20 09:10 |

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|-----|-----|---|---|----|----|------------------|
| L11 | 342 | (separate with read with write with bus) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 09:27 |
| L16 | 373 | (710/305.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:27 |
| L17 | 72  | (710/309.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:27 |
| L18 | 153 | (710/241.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:27 |
| L19 | 344 | (710/113.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:27 |
| L20 | 559 | (710/107.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
| L21 | 451 | (709/225.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
| L22 | 152 | (709/251.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
| L23 | 47  | (709/252.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
| L24 | 120 | (709/253.ccls.) and<br>@ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |

| L25 | 153  | (710/241.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
|-----|------|---|---|----|----|------------------|
| L26 | 272  | (710/240.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
| L27 | 660  | (370/276.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
| L28 | 61   | (710/242.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
| L29 | 559  | (710/107.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 11:28 |
| S1  | 1056 | (((free idle) with (convert<br>conversion)) same (module<br>device)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:17 |
| S2  | 4540 | (((free idle) with (packet token)))<br>and @ad<"19980918"                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:42 |
| S3  | 30   | ("idle token") and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:17 |
| 54  | 125  | (((free idle) with (packet token)<br>with change)) and<br>@ad<"19980918"                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:43 |
| S5  | 25   | ((((free idle) adj (packet token))<br>with change)) and<br>@ad<"19980918"               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:24 |

| S6  | 0   | (710/126.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:24 |
|-----|-----|---------------------------------------|---|----|----|------------------|
| S7  | 369 | (710/305.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:25 |
| S8  | 72  | (710/309.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:29 |
| S9  | 152 | (710/241.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:36 |
| S10 | 342 | (710/113.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:23 |
| S11 | 545 | (710/107.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:42 |
| S12 | 447 | (709/225.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:48 |
| S13 | 150 | (709/251.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:54 |
| S14 | 47  | (709/252.ccis.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 10:56 |
| S15 | 120 | (709/253.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:20 |

| S16 | 22  | US-5541932-\$.DID. OR US-5481681-\$.DID. OR US-5450547-\$.DID. OR US-5375215-\$.DID. OR US-4709364-\$.DID. OR US-4669079-\$.DID. OR US-4488232-\$.DID. OR US-5754807-\$.DID. OR US-0566417-\$.DID. OR US-5627976-\$.DID. OR  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2004/05/19 13:38 |
|-----|-----|--|---|------|----|------------------|
| S17 | 23  | US-5541932-\$.DID. OR<br>US-5481681-\$.DID. OR<br>US-5450547-\$.DID. OR<br>US-5375215-\$.DID. OR<br>US-4709364-\$.DID. OR<br>US-4669079-\$.DID. OR<br>US-4488232-\$.DID. OR<br>US-5754807-\$.DID. OR<br>US-5664117-\$.DID. OR<br>US-5627976-\$.DID. OR<br>US-5619661-\$.DID. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2005/04/27 15:23 |
| S18 | 0   | wo8001421  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2004/05/19 13:50 |
| S19 | 10  | "8001421"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2004/05/19 13:50 |
| S20 | 771 | (bus same (arbiter arbitration) same packet) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2004/05/24 07:20 |
| S21 | 404 | (bus with (arbiter arbitration) with packet) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2004/05/19 14:00 |
| S22 | 0   | (bus with (arbiter arbitration) with "dedicated packet") and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/04/26 09:04 |

| S23 | 1   | ((arbiter arbitration) with "dedicated packet") and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:00 |
|-----|-----|---|---|----|----|------------------|
| S24 | 2   | ((arbiter arbitration) same<br>"dedicated packet") and<br>@ad<"19980918"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:01 |
| S25 | 7   | ((arbiter arbitration) same "grant<br>packet") and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:07 |
| S26 | 20  | "4709364".URPN.   | USPAT   | OR | ON | 2004/05/19 14:03 |
| S27 | 87  | ((arbiter arbitration) with grant<br>with packet) and<br>@ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:10 |
| S28 | 49  | ((arbiter (arbitration adj (unit<br>device))) with grant with packet)<br>and @ad<"19980918"               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 07:01 |
| S29 | 63  | ((arbiter (arbitration adj (unit<br>device))) with grant with (packet<br>token)) and @ad<"19980918"       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:14 |
| S30 | 10  | ((arbiter (arbitration adj (unit<br>device))) with (grant near3<br>(packet token))) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:16 |
| S31 | 449 | ((arbiter (arbitration adj (unit<br>device))) with (packet token)) and<br>@ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:16 |
| S32 | 142 | ((arbiter (arbitration adj (unit<br>device))) near2 (packet token))<br>and @ad<"19980918"                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:20 |

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|-----|-----|---|---|----|----|------------------|
| S33 | 96  | (reservation adj (packet token))<br>and @ad<"19980918"                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:23 |
| S34 | 60  | (grant adj (packet token)) and<br>@ad<"19980918"                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 15:09 |
| S35 | 0   | (dedicateed adj (packet token))<br>and @ad<"19980918"                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:41 |
| S36 | 133 | (dedicated adj (packet token)) and<br>@ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:50 |
| S37 | 396 | (710/113.ccls. 710/309.ccls.) and @ad<"19980918"                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:50 |
| S38 | 91  | ((710/113.ccls. 710/309.ccls.) and @ad<"19980918") and (packet token) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 14:50 |
| S39 | 72  | (arbitration adj (packet token))<br>and @ad<"19980918"                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 15:18 |
| S40 | 38  | (token same "grant access") and<br>@ad<"19980918"                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 14:44 |
| S41 | 1   | ("request access" same "send<br>token") and @ad<"19980918"            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/19 15:56 |
| S42 | 46  | ("circulate token") and<br>@ad<"19980918"                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 14:56 |

| S43 | 22  | ("arbitration token") and<br>@ad<"19980918"                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:26 |
|-----|-----|---|---|----|----|------------------|
| S44 | 1   | ((non\$1destructive adj arbitration) with token) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:14 |
| S45 | 51  | ("arbitration packet") and<br>@ad<"19980918"                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:27 |
| S46 | 590 | ("access packet") and<br>@ad<"19980918"                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:32 |
| S47 | 223 | ("access token") and<br>@ad<"19980918"                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:36 |
| S48 | 12  | ((central\$4 with arbitrat\$3) same token) and @ad<"19980918"       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:01 |
| S49 | 2   | "5488693".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:53 |
| S50 | 18  | phelps.in. and pixelfusion  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 15:49 |
| S51 | 194 | ("request token") and<br>@ad<"19980918"                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:07 |
| S52 | 0   | ("packet based arbitration") and<br>@ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:11 |

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|-----|------|---|---|----|----|------------------|
| S53 | 0    | ("packet-based arbitration") and @ad<"19980918"                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:11 |
| S54 | 60   | ("packet arbitration") and<br>@ad<"19980918"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/20 16:12 |
| S55 | 1693 | (address with token) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:20 |
| S56 | 305  | (addressed with token) and<br>@ad<"19980918"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:20 |
| S57 | 20   | ("addressed token") and<br>@ad<"19980918"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:49 |
| S58 | 79   | (usb with request) and<br>@ad<"19980918"                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 08:10 |
| S59 | 13   | (usb with arbitrat\$3) and<br>@ad<"19980918"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 07:57 |
| S60 | 1    | (usb with "request access") and @ad<"19980918"                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 08:38 |
| S61 | 0    | (((free idle) adj (token packet))<br>with (usb "1394")) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 08:38 |
| S62 | 578  | (((free idle) adj (token packet)))<br>and @ad<"19980918"                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 08:39 |

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|-----|-------|---|---|----|----|------------------|
| S63 | 28    | (((free idle) adj (token packet))<br>with bus) and @ad<"19980918"                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/20 07:45 |
| S64 | 16920 | (((free idle) with (convert conversion))) and @ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/25 07:17 |
| S65 | 45    | ((packet token) with (free idle) with (convert conversion)) and @ad<"19980918"        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 09:56 |
| S66 | 9     | (((free idle) adj (packet token))<br>with (convert conversion)) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 15:10 |
| S67 | 26    | (usb with "integrated circuit") and @ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 08:44 |
| S68 | 55    | pixelfusion   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:20 |
| S69 | 1     | (usb with "graphics processing")<br>and @ad<"19980918"                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:24 |
| S70 | 28    | (usb with graphics) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:39 |
| S71 | 1     | (usb with "video game") and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:40 |
| S72 | 4     | (usb same "video game") and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 10:40 |

| S73 | 4    | (((free idle) adj (packet token))<br>with (create)) and<br>@ad<"19980918"                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 15:27 |
|-----|------|---|---|----|----|------------------|
| S74 | 12   | (((free idle) near (frame)) with (convert conversion)) and @ad<"19980918"                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/05/24 15:28 |
| S75 | 0    | (soc with usb) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:20 |
| S76 | 1    | (soc same usb) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:21 |
| S77 | 158  | (soc same "1394") and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:22 |
| S78 | 0    | (soc same firewire) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/19 15:22 |
| S79 | . 81 | (usb with chip) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 07:34 |
| S80 | 159  | ((usb "1394" firewire) same (soc<br>system-on-chip "system on chip"))<br>and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 07:38 |
| S81 | 0    | ((usb "1394" firewire) and (system-on-chip "system on chip")) and @ad<"19980918"            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 07:38 |
| S82 | 1    | ((usb "1394" firewire) and<br>(system-on-a-chip "system on a<br>chip")) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 08:38 |

| S83 | 187 | ((usb "1394" firewire) and<br>(system-on-a-chip "system on a<br>chip"))                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/24 08:39 |
|-----|-----|--|---|------|----|------------------|
| S84 | 192 | ((usb "1394" firewire) with<br>("integrated circuit"<br>integrated-circuit ic chip)) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/24 09:44 |
| S85 | 31  | ((usb "1394" firewire) with<br>("internal bus")) and<br>@ad<"19980918"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/24 15:29 |
| S86 | 2   | "4709364".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/24 13:56 |
| S87 | 397 | (710/113.ccls. 710/309.ccls.) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/25 06:37 |
| S88 | 0   | (710/126.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/25 06:37 |
| S89 | 369 | (710/305.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2005/01/25 06:37 |
| S90 | 72  | (710/309.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/25 06:37 |
| S91 | 153 | (710/241.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/25 06:37 |
| S92 | 343 | (710/113.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/01/25 06:37 |

| S93 | 545 | (710/107.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
|-----|-----|---|---|----|----|------------------|
| S94 | 449 | (709/225.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S95 | 151 | (709/251.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S96 | 47  | (709/252.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 06:37 |
| S97 | 120 | (709/253.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 13:48 |
| S98 | 93  | ("5490146" "4628437" "5339269" "5428753" "5452307" "5452443" "5590290" "5604874" "5657458" "5757806" "5774679" "5877770" "5896515" "6047345" "6219735" "6219735" "6219735" "6266762" "5237670" "5313594" "5444858" "5577229" "5586299" "5243704" "4816826" "6088752" "6141708" "5581713" "5787095" "4378588" "4807116" "4817091" "4837767" "4858234" "5058006" "5276818" "5387784" "5404464" "5455914" "5629950" "5732244" "5745772" "5761724" "5983303" "5991843" "6029223" "6032231" "6088753" "6115756" "6182176" "6256694").pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/25 12:38 |
| S99 | 283 | (710/107.ccls. and storage) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:49 |

|          |     |  |   |    | r  |                  |
|----------|-----|--|---|----|----|------------------|
| S10<br>0 | 10  | "8001421"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:15 |
| S10<br>1 | 25  | "5375215"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:15 |
| S10<br>2 | 2   | "5375215".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:15 |
| S10<br>3 | 187 | (soc same "integrated circuit") and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 14:56 |
| S10<br>4 | 35  | (("system on a chip" "system on chip" system-on-a-chip system-on-chip) same "integrated circuit") and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 15:12 |
| S10<br>5 | 83  | (("system on a chip" "system on<br>chip" system-on-a-chip<br>system-on-chip)) and<br>@ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/04 15:29 |
| S10<br>6 | 82  | (("shared memory" shared-memory) same ("graphics processor" graphics-processor)) and @ad<"19980918"                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 08:04 |
| S10<br>7 | 2   | (("shared memory" shared-memory) same (game with console)) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 08:06 |
| S10<br>8 | 20  | (("shared memory"<br>shared-memory) same (game))<br>and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:07 |
| S10<br>9 | 94  | (("shared memory" shared-memory) same (queue buffer fifo) same (id identification)) and @ad<"19980918"               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:14 |

| S11<br>0 | 51  | (("shared memory"<br>shared-memory) same ((queue<br>buffer fifo) with (source))) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:22 |
|----------|-----|---|---|----|----|------------------|
| S11<br>1 | 3   | (("shared memory" shared-memory) same ((queue buffer fifo) with (source with (id identification)))) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:26 |
| S11<br>2 | 568 | (("shared memory"<br>shared-memory) same ((queue<br>buffer fifo) same (read retrieve)))<br>and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:26 |
| S11<br>3 | 362 | (("shared memory"<br>shared-memory) same ((queue<br>buffer fifo) with (read retrieve)))<br>and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 10:29 |
| S11<br>4 | 18  | (("shared memory" shared-memory) same source same ((queue buffer fifo) with (read retrieve))) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 11:09 |
| S11<br>5 | 148 | (("shared memory" shared-memory) same (multiprocessor multi-processor "multiple processor" multiple-processor) same (queue buffer fifo)) and @ad<"19980918"               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 11:28 |
| S11<br>6 | 1   | "4992930".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/02/08 11:25 |
| S11<br>7 | 1   | "5023776".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/02/08 11:25 |
| S11<br>8 | 1   | "5317726".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/02/08 11:26 |
| S11<br>9 | 26  | (("shared memory" shared-memory) same (multiprocessor multi-processor "multiple processor" multiple-processor) same (access with (queue buffer fifo))) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:12 |

| S12<br>0 | 2     | (("shared memory" shared-memory) same (split-transaction "split transaction") same (access with (queue buffer fifo))) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:13 |
|----------|-------|--|---|----|----|------------------|
| S12<br>1 | 4     | (("shared memory" shared-memory) same (split-transaction "split transaction") same ((queue buffer fifo))) and @ad<"19980918"             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:17 |
| S12<br>2 | 9     | (("shared memory" shared-memory) same (read with pending with (queue buffer fifo))) and @ad<"19980918"                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:21 |
| S12<br>3 | 2     | "4669079".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:24 |
| S12<br>4 | 41    | "0048869"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:35 |
| S12<br>5 | 2     | "4709364".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 13:35 |
| S12<br>6 | 241   | (710/110.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:34 |
| S12<br>7 | 369   | (710/305.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |
| S12<br>8 | . 297 | (710/105.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/02/08 14:35 |

| S12<br>9 | 160  | (710/310.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:35 |
|----------|------|--|---|------|----|------------------|
| S13<br>0 | 91   | (710/311.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:35 |
| S13<br>1 | 154  | (710/74.ccls.) and<br>@ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:35 |
| S13<br>2 | 745  | (710/52.ccls.) and<br>@ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:35 |
| S13<br>3 | 157  | (710/53.ccls.) and<br>@ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:35 |
| S13<br>4 | 92   | (710/54.ccls.) and<br>@ad<"19980918"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:36 |
| S13<br>5 | 326  | (709/213.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2005/02/08 14:36 |
| S13<br>6 | 145  | (711/130.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:36 |
| S13<br>7 | 443  | (711/147.ccls.) and<br>@ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:36 |
| S13<br>8 | 2902 | S126 S127 S128 S129 S130 S131<br>S132 S133 S134 S135 S136 S137 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/02/08 14:46 |

| S13<br>9 | 2   | "4669079".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:12 |
|----------|-----|---|---|----|----|------------------|
| S14<br>0 | 2   | (710/119.ccls. and ("unit busy" "device busy")) and @ad<"19980918"                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 11:06 |
| S14<br>1 | 1   | "4038644".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 09:15 |
| S14<br>2 | 0   | (710/119.ccls. and ("target<br>busy")) and @ad<"19980918"                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 09:43 |
| S14<br>3 | 19  | (710/119.ccls. and ("busy signal"))<br>and @ad<"19980918"                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:33 |
| S14<br>4 | 2   | "4709364".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:16 |
| S14<br>5 | 2   | "5375215".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:16 |
| S14<br>6 | 153 | (("unit busy" "device busy") same<br>(store save)) and<br>@ad<"19980918"          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:34 |
| S14<br>7 | 35  | (("unit busy" "device busy") same<br>(store save) same bus) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 10:37 |
| S14<br>8 | 1   | (710/242.ccls. and ("unit busy"<br>"device busy")) and<br>@ad<"19980918"          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 11:07 |
| S14<br>9 | 18  | ("4326250").URPN.   | USPAT   | OR | ON | 2005/04/26 13:16 |

| S15      | 38   | ("4669079").URPN.  | USPAT   | OR | ON | 2005/04/27 08:35 |
|----------|------|--|---|----|----|------------------|
| 0        | ]    | ( 1005075 J.OKI 14.  | Joseph  |    |    | 2003/01/27 00.33 |
| S15<br>1 | 1    | "5761516".pn.  | USPAT   | OR | ON | 2005/04/27 08:35 |
| S20<br>4 | 2    | (710/119.ccls. and ("unit busy"<br>"device busy")) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:10 |
| 520<br>5 | 1    | (710/242.ccls. and ("unit busy"<br>"device busy")) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S20<br>6 | 0    | (710/126.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S20<br>7 | 369  | (710/305.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/02 13:23 |
| S20<br>8 | . 72 | (710/309.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S20<br>9 | 0    | (710/249.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S21<br>0 | 343  | (710/113.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S21<br>1 | 546  | (710/107.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:18 |
| S21<br>2 | 152  | (709/251.ccls.) and<br>@ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:19 |

| S21<br>3 | 47  | (709/252.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:19 |
|----------|-----|---|---|----|----|------------------|
| S21<br>4 | 120 | (709/253.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:19 |
| S21<br>5 | 449 | (709/225.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:19 |
| S21<br>6 | 93  | ("5490146" "4628437" "5339269" "5428753" "5452307" "5452443" "5590290" "5604874" "5657458" "5757806" "5774679" "5877770" "5896515" "6047345" "6219735" "6219735" "6219735" "6219735" "5237670" "5313594" "5444858" "5577229" "5586299" "5243704" "4816826" "6088752" "6141708" "5581713" "5787095" "4378588" "4807116" "4817091" "4837767" "4858234" "5058006" "5276818" "5387784" "5404464" "5455914" "5629950" "5732244" "5745772" "5761724" "5983303" "5991843" "6029223" "6032231" "6088753" "6115756" "6182176" "6256694").pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:23 |
| S21<br>7 | 4   | ("read arbiter" same "write<br>arbiter") and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/02 13:35 |
| S21<br>8 | 2   | ("read bus" with (arbiter<br>arbitration) same "write bus" with<br>(arbiter arbitration)) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/02 13:41 |
| S21<br>9 | 19  | ("read bus" same "write bus" same ("control bus" "transaction bus" "transaction control bus")) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/02 15:24 |

| S22      | 12     | ("read bus" same "write bus"  | US-PGPUB;   | OR | ON | 2005/05/03 07:39 |
|----------|--------|---|---|----|----|------------------|
| 2        | ••     | same arbiter) and<br>@ad<"19980918"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | 5  |    |                  |
| S22<br>3 | 170857 | ("read bus" and "write bus" ande<br>arbit\$4) and @ad<"19980918"                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:40 |
| S22<br>4 | 164    | ("read bus" and "write bus" and arbit\$4) and @ad<"19980918"                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 08:41 |
| S22<br>5 | 19     | ("read bus" same arbit\$4 and<br>"write bus" same arbit\$4) and<br>@ad<"19980918"     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:42 |
| S22<br>6 | 1241   | (read with arbit\$4 and write with arbit\$4) and @ad<"19980918"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:42 |
| S22<br>7 | 1241   | ((read with arbit\$4) and (write with arbit\$4)) and @ad<"19980918"                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:43 |
| S22<br>8 | 459    | ((read with arbit\$4 same bus) and (write with arbit\$4 same bus)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:46 |
| S22<br>9 | 177    | (read same write same split with bus) and @ad<"19980918"                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:47 |
| S23<br>0 | 16     | (read same write same "split bus")<br>and @ad<"19980918"                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:54 |
| S23<br>1 | 174    | ("full duplex" same read same<br>write) and @ad<"19980918"                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:55 |

| S23<br>2 | 144  | ("full duplex" same arbit\$6) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:55 |
|----------|------|--|---|----|----|------------------|
| S23<br>3 | 2    | ("full duplex" and "first arbiter"<br>and "second arbiter") and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 07:56 |
| S23<br>4 | 233  | ("read bus" and "write bus" and arbit\$6) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 09:10 |
| S23<br>5 | 571  | ((transmi\$5 adj bus) and (rece\$5 adj bus) and arbit\$6) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 09:11 |
| S23<br>6 | 221  | ((transmi\$5 adj bus) same (rece\$5 adj bus) and arbit\$6) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 10:59 |
| S23<br>7 | 40   | ((transmi\$5 adj bus) same (rece\$5 adj bus) same arbit\$6) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 13:56 |
| S23<br>8 | 1    | "5925118".PN.  | USPAT;<br>USOCR   | OR | ON | 2005/05/03 09:24 |
| S23<br>9 | 14   | ("6081860").URPN.  | USPAT   | OR | ON | 2005/05/03 09:25 |
| S24<br>0 | 32   | ("4038644"   "4253147"   "4384323"   "4654778"   "4729090"   "5099419"   "5131085"   "5388232"   "5410670"   "5455912"   "5469544"   "5553310"   "5603052"   "5630096"   "5649209"   "5793994"   "5911052"   "5925118").PN. OR ("6081860").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/05/03 09:25 |
| S24<br>1 | 3371 | "1989"   | IBM_TDB   | OR | ON | 2005/05/03 10:59 |
| S24<br>2 | 468  | "1989" and september   | IBM_TDB   | OR | ON | 2005/05/03 10:59 |

|          |     |   |   |    |    | <u> </u>         |
|----------|-----|---|---|----|----|------------------|
| S24<br>3 | 19  | "1989" and september and dual   | IBM_TDB   | OR | ON | 2005/05/03 10:59 |
| S24<br>4 | 35  | ("graphics controller" same master<br>same slave) and<br>@ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 13:59 |
| S24<br>5 | 12  | (graphics.ti. same master same slave) and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 13:59 |
| S24<br>6 | 96  | (graphics.ti. and master same slave) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 14:42 |
| S24<br>7 | 87  | (game.ti. and master same slave)<br>and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/03 15:07 |
| S24<br>8 | 113 | (gam\$3.ti. and master and slave)<br>and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/04 07:45 |
| S24<br>9 | 0   | ("first arbiter" same "second<br>arbiter" same ("full duplex"<br>unidirectional)) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/04 07:46 |
| S25<br>0 | 3   | ("first arbiter" and "second arbiter" and ("full duplex" unidirectional)) and @ad<"19980918"            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/04 07:48 |
| S25<br>1 | 101 | (arbit\$5 with ("full duplex"<br>unidirectional)) and<br>@ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/04 07:48 |
| S25<br>2 | 153 | (710/241.ccls.) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/04 08:41 |

|          |     |  |   | <del></del> |    |                  |
|----------|-----|--|---|-------------|----|------------------|
| S25<br>3 | 254 | (710/240.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | ON | 2005/05/04 09:07 |
| S25<br>4 | 2   | "6119196".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | ON | 2005/05/04 09:00 |
| S25<br>5 | 655 | (370/276.ccls.) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | ON | 2005/05/04 09:07 |
| S25<br>6 | 9   | (((initiat\$3 transmi\$5) adj arbit?r)<br>and ((return\$3 respon\$4) adj<br>arbit?r)) and @ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | ON | 2006/01/20 08:55 |
| S25<br>7 | 481 | (((read) with arbit?r) and ((write) with arbit?r)) and @ad<"19980918"                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | ON | 2006/01/20 07:28 |
| S25<br>8 | 8   | (((read) adj arbit?r) and ((write)<br>adj arbit?r)) and<br>@ad<"19980918"                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | ON | 2006/01/20 08:14 |
| S25<br>9 | 1   | "5166926".PN.  | USPAT;<br>USOCR   | OR          | ON | 2006/01/20 08:13 |
| S26<br>0 | 1   | "5166930".PN.  | USPAT;<br>USOCR   | OR          | ON | 2006/01/20 08:13 |
| S26<br>1 | 1   | "5184346".PN.  | USPAT;<br>USOCR   | OR          | ON | 2006/01/20 08:13 |
| S26<br>2 | 1   | "5233606".PN.  | USPAT;<br>USOCR   | OR          | ON | 2006/01/20 08:14 |
| S26<br>3 | 22  | (((read) adj arbit\$6) and ((write)<br>adj arbit\$6)) and<br>@ad<"19980918"                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | ON | 2006/01/20 10:13 |
| S26<br>4 | 14  | S263 not S258  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR          | ON | 2006/01/20 08:17 |

|          |     | LAST Searc   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                 | 1  |    |                  |
|----------|-----|--|---|----|----|------------------|
| S26<br>5 | 45  | (((initiat\$3 transmi\$5) adj arbit\$6) and ((return\$3 respon\$4) adj arbit\$6)) and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 08:26 |
| S26<br>6 | 36  | S265 not S256  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 08:27 |
| S26<br>7 | 94  | ("split transaction" same (arbit?r<br>arbitrat?r arbitration)) and<br>@ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 11:08 |
| S26<br>8 | 90  | ("split transaction" same (arbit?r<br>arbitrat?r arbitration) same bus)<br>and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 08:57 |
| S26<br>9 | 0   | ("split transaction" same (arbit?r<br>arbitrat?r arbitration) same "read<br>bus") and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 08:57 |
| S27<br>0 | 6   | ("split transaction" same (arbit?r<br>arbitrat?r arbitration) and "read<br>bus") and @ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 13:40 |
| S27<br>1 | 156 | ("3997896"   "4038644"  <br>"4229791"   "4263648"  <br>"4300194"   "4373183"  <br>"4375639").PN. OR ("4785394").<br>URPN.                        | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/01/20 09:01 |
| S27<br>2 | 230 | ("first bus" same "second bus"<br>same (arbit?r arbitrat?r<br>arbitration)) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 10:06 |
| S27<br>3 | 144 | ("first bus" with (arbit?r arbitrat?r arbitration) same "second bus" with (arbit?r arbitrat?r arbitration)) and @ad<"19980918"                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 10:10 |
| S27<br>4 | 52  | (("first bus" near3 (arbit?r<br>arbitrat?r arbitration)) same<br>("second bus" near3 (arbit?r<br>arbitrat?r arbitration))) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 10:10 |

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|----------|----|--|---|----|----|------------------|
| S27<br>5 | 2  | ((("read bus") with (arbit?r<br>arbitrat\$3)) and (("write bus")<br>with (arbit?4 arbitrat\$3))) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 10:24 |
| S27<br>6 | 13 | (separate with "read bus" with "write bus") and @ad<"19980918"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 10:24 |
| S27<br>7 | 0  | ("split transaction" same "read<br>bus" same "write bus") and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 11:08 |
| S27<br>8 | 5  | ("split transaction" and "read bus"<br>and "write bus") and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 13:17 |
| S27<br>9 | 0  | 6+272601.pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 13:17 |
| S28<br>0 | 2  | "6272601".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 13:21 |
| S28<br>1 | 2  | "6081860".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 13:26 |
| S28<br>2 | 2  | "5838603".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 14:11 |
| S28<br>3 | 17 | ("graphics processing" same<br>(arbit?r arbitrat?r arbitration)) and<br>@ad<"19980918"                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 13:49 |
| S28<br>4 | 47 | ("game" same (arbit?r arbitrat?r<br>arbitration)) and<br>@ad<"19980918"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 13:49 |

| S28<br>5 | 370 | (710/305.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:04 |
|----------|-----|---------------------------------------|---|----|------|------------------|
| S28<br>6 | 72  | (710/309.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:04 |
| S28<br>7 | 153 | (710/241.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:05 |
| S28<br>8 | 343 | (710/113.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:05 |
| S28<br>9 | 548 | (710/107.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:05 |
| S29<br>0 | 0   | (709/125.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:05 |
| S29<br>1 | 451 | (709/225.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:05 |
| S29<br>2 | 152 | (709/251.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:05 |
| S29<br>3 | 47  | (709/252.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2006/01/20 14:05 |
| S29<br>4 | 120 | (709/253.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2006/01/20 14:05 |

| S29<br>5 | 153 | (710/241.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 14:08 |
|----------|-----|---------------------------------------|---|----|----|------------------|
| S29<br>6 | 255 | (710/240.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 14:06 |
| S29<br>7 | 659 | (370/276.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 14:06 |
| S29<br>8 | 61  | (710/242.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 14:09 |
| S29<br>9 | 548 | (710/107.ccls.) and<br>@ad<"19980918" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/20 14:09 |

7/20/06 11:34:40 AM C:\Documents and Settings\TCleary\My Documents\EAST\Workspaces\10827359.wsp Page 28